

IN THE SPECIFICATION

Please replace paragraph [0001] under the RELATED APPLICATIONS section heading with the following paragraph:

[0001] This patent application is related to the following patent applications, each of which are commonly assigned to assignee of this application, and hereby incorporated by reference:

- U.S. Patent Application no. 10/427,548, titled “Object Clustering Using Inter-Layer Links”, filed on 05/01/2003; and
- U.S. Patent Application no. 10/825,894, titled “Related Term Suggestion for Multi-Sense Query”, filed on 04/15/04.

Please replace paragraph [0059] with the following paragraph:

[0059] There are two levels of calculations: one is that the *hub* value and *authority* value of objects from same type reinforce each other by the intra-type relationships; and the other is that the *importance* of different types of nodes reinforces each other by inter-type relationships. The calculations in this approach are written as follows.

$$\begin{cases} a(X) = \beta L_X^T h(X) + (1 - \beta) L_{XY} i(Y) \\ h(X) = \beta L_X a(X) + (1 - \beta) L_{XY} i(Y) \\ i(X) = a(X) + h(X) \\ a(Y) = \gamma L_Y^T h(Y) + (1 - \gamma) L_{YX} i(X) \\ h(Y) = \gamma L_Y a(Y) + (1 - \gamma) L_{YX} i(X) \\ i(Y) = a(Y) + h(Y) \end{cases} \quad (2)$$

where, $a(X)$ and $h(X)$ are the *authority* score and *hub* score of nodes within X , respectively. Similarly, $a(Y)$ and $h(Y)$ stand for the *authority* and *hub* score of nodes in Y ; $i(X)$ and $i(Y)$ stand for the *importance* of the node in X and Y , respectively. β and γ are the weight parameters to adjust the influence of links derived from different relationships, and T means to transpose the corresponding matrix.